



## Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact [support@jstor.org](mailto:support@jstor.org).

# SCIENCE

**EDITORIAL COMMITTEE:** S. NEWCOMB, Mathematics; R. S. WOODWARD, Mechanics; E. C. PICKERING Astronomy; T. C. MENDENHALL, Physics; R. H. THURSTON, Engineering; IRA REMSEN, Chemistry; J. LE CONTE, Geology; W. M. DAVIS, Physiography; O. C. MARSH, Paleontology; W. K. BROOKS, C. HART MERRIAM, Zoology; S. H. SCUDDER, Entomology; C. E. BESSEY, N. L. BRITTON, Botany; HENRY F. OSBORN, General Biology; C. S. MINOT, Embryology, Histology; H. P. BOWDITCH, Physiology; J. S. BILLINGS, Hygiene; J. McKEEN CATTELL, Psychology; DANIEL G. BRINTON, J. W. POWELL, Anthropology.

FRIDAY, OCTOBER 28, 1898.

## CONTENTS:

<i>Address of the President before the British Association for the Advancement of Science, Bristol, 1898</i> (L.): SIR WILLIAM CROOKES.....	561
<i>Variations in the Rate of Agricultural Productions and One of their Causes:</i> JOHN HYDE .....	575
<i>On the Reappearance of the Tile-fish (<i>Lopholatilus chamaeleonticeps</i>):</i> PROFESSOR H. C. BUMPUS.....	576
<i>Seriation Curves of the Cephalic Index:</i> DR. WILLIAM Z. RIPLEY .....	578
<i>The International Conference on Terrestrial Magnetism:</i> C. A. SCHOTT.....	582
<i>The Tenth Annual Meeting of the Association of Economic Entomologists:</i> C. L. MARLATT.....	584
<i>Notes on Inorganic Chemistry:</i> J. L. H.....	585
<i>Botanical Notes:—</i>	
<i>A Study of Toadstools; A Southern Fern far from Home; The Function of Bloom; A Tiny Pine Tree:</i> PROFESSOR CHARLES E. BESSEY.....	587
<i>Current Notes on Anthropology:—</i>	
<i>Botanical Knowledge of the Ancient Aztecs; Sexual Dimorphism in Man; Heredity; A Contrast:</i> PROFESSOR D. G. BRINTON .....	588
<i>Scientific Notes and News:—</i>	
<i>The Conference on an International Catalogue of Scientific Literature; General.....</i>	589
<i>University and Educational News.....</i>	594
<i>Discussion and Correspondence:—</i>	
<i>A Rule for Finding the Day of the Week:</i> EDWARD L. STABLER. <i>An Apple Canker:</i> W. PADDOCK. <i>Wampum Belts:</i> W. M. BEAUCHAMP.....	594
<i>Scientific Literature:—</i>	
<i>Detmer's Plant Physiology:</i> PROFESSOR J. C. ARTHUR. <i>Classen's Quantitative Chemical Analysis by Electrolysis; Oettel's Electro-chemical Experiments and Exercises in Electro-chemistry:</i> H. C. J.....	597
<i>Scientific Journals.....</i>	599
<i>New Books.....</i>	600

ADDRESS OF THE PRESIDENT BEFORE THE  
BRITISH ASSOCIATION FOR THE AD-  
VANCEMENT OF SCIENCE, BRIS-  
TOL, 1898.

## I.

FOR the third time in its history the British Association meets in your City of Bristol. The first meeting was held under the presidency of the Marquis of Lansdowne in 1836, the second under the presidency of Sir John Hawkshaw in 1875. Formerly the President unrolled to the meeting a panorama of the year's progress in physical and biological sciences. To-day the President usually restricts himself to specialities connected with his own work or deals with questions which for the time are uppermost. To be President of the British Association is undoubtedly a great honor. It is also a great opportunity and a great responsibility; for I know that, on the wings of the press, my words, be they worthy or not, will be carried to all points of the compass. I propose first to deal with the important question of the supply of bread to the inhabitants of these islands, then to touch on subjects to which my life work has been more or less devoted. I shall not attempt any general survey of the sciences; these, so far as the progress in them demands attention, will be more fitly brought before you in the different sections, either in the addresses of the presidents or in communications from members.